

CURRICULUM VITAE



La sottoscritta MARINA CABRINI, consapevole che le dichiarazioni false comportano l'applicazione delle sanzioni penali previste dall'art. 76 del D.P.R. 445/2000, dichiara che le informazioni riportate nel seguente Curriculum Vitae, redatto in formato europeo, corrispondono a verità.

INFORMAZIONI PERSONALI

Name **CABRINI, Marina**
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Nationality Italian

WORK EXPERIENCE

From December, 31st **full professor** of **"Science and technology of materials"** at Department of Engineering and Applied Science of University of Bergamo, Viale Marconi, 5, Dalmine (BG), 24044 Italy

From February 2002 to December 31st 2021 associate professor of **"Science and technology of materials"** at Università degli Studi di Bergamo, Dipartimento di Ingegneria e scienze applicate.

From September 1997 to February 2002 Researcher of **"Science and technology of materials"** at Università degli Studi di Bergamo, Dipartimento di Ingegneria e scienze applicate.

From May 1991 to September 1997 Technical Collaborator at Politecnico di Milano, Dipartimento di Chimica Fisica Applicata

From August 1990 to May 1991 Snam Grant at the Dipartimento di Chimica Fisica Applicata of Politecnico di Milano

From November 1989 to July 1990 – Collaborator at Politecnico di Milano, Dipartimento di Chimica Fisica Applicata

INSTITUTIONAL TASKS

From 2020 **President of the "Commissione Paritetica Docenti/Studenti"** of Engineering School of University of Bergamo

From 2018 to 2021 member of Library commission of Engineering School of University of Bergamo

From 2003 to 2005 Commission for the realization of the experimental laboratory of Engineering at the University of Bergamo.

EDUCATION AND TRAINING

October, 26th 1989 Degree in Industrial Chemistry at the "Università degli Studi di Milano" (110/110).

July, 29th, 1983 Diploma in Industrial Chemistry. ITIS E.Torricelli, Milano (60/60)

PROFESSIONAL QUALIFICATIONS	Qualification to practice the profession of Industrial Chemist obtained from the University of Milan
QUALIFICATIONS	<p>April 17, 2019 Training course "First aid in the workplace" according to the provisions of D.M. 388/03</p> <p>May 12, 2019 BLSD – Basic cardiopulmonary resuscitation and early defibrillation</p>
AWARDS	1996 – Best Poster at the "3° Convegno Nazionale AIMAT '96, Omaggio scientifico a Riccardo Sersale", Naples, Italy, September, 25-27 1996
PARTICIPATION IN ASSOCIATIONS	<p>From 2011 Italian representative on the board of the ICC – International Corrosion Council</p> <p>From 2017 CSGI (Consorzio Interuniversitario per lo Sviluppo dei Sistemi a Grande Interfase) Representative of the University of Bergamo in the Board of Directors</p> <p>INSTM (Consorzio Interuniversitario Nazionale per la Scienze e Tecnologia dei Materiali) Part of the Research Unit "Materials and Corrosion" of Bergamo</p> <p>Member of the following national and international associations:</p> <p>AIM (Associazione Italiana metallurgia) From 2025 President of the Technical Corrosion Committee Coordinator of the Corrosion Course for the AIM from 2003 to 2017/18</p> <p>AIMAT (Associazione Italiana Ingegneria dei Materiali)</p> <p>EFC (European Federation of Corrosion)</p> <p>ISE (International Society of Electrochemistry)</p> <p>ECS (Electrochemical Society)</p>

EDUCATIONAL ACTIVITIES

BACHELOR AND MASTER	<p>Courses at Università degli studi di Bergamo:</p> <p>Since A.A. 2023-24 Advanced Biomaterials (Medical Engineering) (6 CFU)</p> <p>Since AA. 2002-03 Materiali Metallici (Ingegneria meccanica) (9 CFU)</p> <p>Since A.A. 2016-17 Biomateriali (Ingegneria delle tecnologie della salute) (6 CFU)</p> <p>Form A.A. 2002-03 to A.A. 2023-24 Materiali Polimerici, Compositi e Ceramiche (Ingegneria meccanica magistrale e triennale) (6 CFU)</p> <p>From A.A. 2003-04 to A.A. 2007-08 Corrosione e protezione dei materiali (Ingegneria Edile) (6 CFU)</p>
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	<p>AA 1999-2000 and 2000-2001 Scienza e tecnologia dei materiali at Diploma in Ingegneria meccanica</p> <p>Course of Disegno Industriale at Facoltà di Architettura of the Politecnico di Milano</p> <p>A.A. 1995-96 e 1996-97 Scienza e Tecnologia dei materiali (Corso integrato di Materiali 1° - 1 modulo)</p>
PHD	<p>Since 2024 Member of the PhD board of SUSTAIN at University of Bergamo</p> <p>Since 2021 Member of the PhD board of Engineering and Applied Science at University of Bergamo</p> <p>Since AA 2016-17 Course of Electrochemistry and Electrochemical Techniques at the PhD school of Engineering and Applied Science at University of Bergamo</p> <p>From 01-01-2009 to 01-10-2012 Member of the board of the PhD school of Meccatronica, informazione, tecnologie innovative e metodi matematici - DOT0651895 at University of Bergamo</p> <p>From 23-02-2007 to 01-02-2009 Member of the board of the PhD school of Meccatronica e tecnologie innovative DOT0651895 at University of Bergamo</p> <p>From 23-02-2007 to 23-02-2007 Member of the board of the PhD school of Meccatronica DOT0651895 at University of Bergamo</p>
INTERNATIONAL DIDACTIC ACTIVITIES	<p>July 25-29 (Virtual), August 28 – September 3 (Dalmine BG), September 4-10, 2022 (Riga, LV) Scientific coordinator of the International Summer school "Non-linear life: Digital Health Technologies" in collaboration with Riga Technical University</p> <p>July 26-29, 2021 Scientific coordinator and lecturer of the International Virtual Summer school "Non-linear life: Advances in materials for medicine" in collaboration with Riga Technical University</p> <p>2020-07-15 Invited lecturer at the 1st Virtual ESIS Summer School (VESS1, July 2020).</p> <p>2018-08-17 Invited lecturer at the International summer school "Non-linear life" Riga, Latvia, from 12th to 24th of August 2018.</p>
ACTIVITIES AS SUPERVISOR	<p>Supervisor of:</p> <p>4 PhD thesis More than 40 Master thesis More than 20 Bachelor thesis</p>

RESEARCH ACTIVITY	<p>01-09-2023 – 31-08-2026 Scientific coordinator of the research unit of the University of Bergamo in the European project: CANDHy - Compatibility Assessment of Non-steel metallic Distribution gas grid materials with Hydrogen. Call: HORIZON-JTI-CLEANH2-2022-02-01: Compatibility of Distribution non-steel metallic gas grid materials with hydrogen. Type of action: HORIZON-JU-RIA HORIZON JU Research and Innovation Actions. Project Coordinator Foundation for the development of new hydrogen technologies in Aragon (Spain).</p> <p>From 09-02-2007 to 30-03-2009 Scientific coordinator of the research unit of the University of Bergamo "Caratterizzazione meccanica di scaffolds ceramici ottenuti per gel-casting" PRIN 2006 Principal Investigator prof. Laura Montanaro Politecnico di Torino</p> <p>dal 02-01-2014 al 02-01-2017 Principal investigator of "Modelli di previsione della corrosione in presenza di depositi di corrosione (Corrosion models in presence of Scale) - CoSca" founded by Ateneo Università di Bergamo "ITALY R Azione 2".</p> <p>Member of the research unit in the projects COFIN:</p> <p>21-12-2002 – 21-01-2005 Fatigue corrosion of high-strength steels for deep-sea off-shore structures – Scientific coordinator Tommaso Pastore, Scientific director Tommaso Pastore</p> <p>20-02-2000 – 20-12-2003 Stress corrosion of high-strength steels for prestressed reinforced concrete structures – Scientific coordinator Luciano Lazzari, Scientific director Tommaso Pastore</p> <p>26-11-1999 – 20-12-2001 Corrosion inhibitors for the repair of reinforced concrete structures – Scientific coordinator – Scientific coordinator Pietro Pedefferri, Scientific director Tommaso Pastore</p> <p>15-02-1998 – 14-06-2000 Techniques for monitoring the corrosion of rebar in concrete and innovative repair methods – Scientific coordinator Mario Collepardi, Scientific director Tommaso Pastore</p>
INDUSTRIAL RESEARCH PROJECTS	<p>From 03-08- today SnamRetegas " Studies and experiments on the behaviour of steels in different environments"</p> <p>From 10-12-2012 to 31-01-2013 RSE "Studio dei fenomeni di interazione metallo-CO₂ coinvolti nel processo di trasporto della CO₂"</p> <p>From 01-07-2013 to 30-06-2016 ENI Donegani, "Valutazione della resistenza alla corrosione di materiali costruttivi per impianti di conversione di rifiuti organici in bio-olio" (rif. INSTM ID/DB 1957)</p>
LABORATORI	<p>Head of the Microstructural Analysis Service at the Department of Engineering and Applied Sciences, University of Bergamo Head of the High Pressure and Temperature Research Laboratory</p>

	Head of the Electrochemistry Laboratory, University of Bergamo
ATTIVITÀ DI RICERCA	<p>Marina Cabrini's scientific activity is focused on the study of corrosion phenomena of metallic materials, on the evaluation of the synergistic effect of mechanical stress and the environment and on electrochemical and microstructural characterization methods.</p> <p>Nowadays she is working on the corrosion behavior of aluminium, titanium and nickel alloys obtained by means of additive manufacturing, on the corrosion and stress corrosion cracking of aluminium alloys (AA7075 and AA 2024) welded by means of Friction Stir Welding, on the effect of loading on the hydrogen diffusion and embrittlement of low alloyed high strength steels and on the corrosion in geothermal systems.</p> <p>She is also involved in research on biomaterials, on electrochemical characterization of the kinetic of passivity film formation on rebar in concrete, on corrosion inhibitors for chloride contaminated concrete and on the corrosion evaluation of carbon steel in CCTS (Carbon Capture Transport and Storage).</p> <p>Author of 105 documents Scopus indexed, with more than 1900 citations (Hl 23).</p>
INTERNATIONAL COLLABORATION	<p>University of Manchester (UK) Duzce University (TK) Riga Technical University (RTU) (LV) CINVESTAV di Merida (MEX).</p>
PATENT	IT 102015000025267 "Procedimento di produzione del bio-olio da biomassa".

December, 2nd, 2025

